



## **Mentor Responsibilities**

### ***OPTIMUS PRIME Spinoff InWorld Challenge***

*You are invited to participate in the OPTIMUS PRIME Spinoff InWorld Challenge as a mentor of a team of middle or high school students. Kindly register no later than **December 31, 2014.***

#### **If you accept this leadership role you will:**

- Select a team of middle or high-school students from those who have already completed the Video Challenge;
- Work with this group to move their spinoff ideas and innovations into a 3D multi-user virtual universe similar to Second Life;
- Guide and mentor your team through the design process as they demonstrate tech transfer of the original NASA technology, the spinoff, and their own innovation; and
- Support your team during a synchronous evaluation session with NASA researchers and an evaluation team.

#### **Benefits of participation include:**

- Demonstrating and refining your leadership and mentoring ability,
- Networking and interacting with NASA engineers and scientists currently working on the James Webb Space Telescope (JWST), and
- Presenting your engineering design abilities to NASA engineers and scientists.

**All of your work runs from January 26 - May 1, 2015. Time commitment is between 4-6 hours per week.**

Prior to the InWorld Challenge, students will complete the **Video Challenge**. They will create videos depicting technology from a NASA mission, associated spinoff technology, and their own spinoff innovations from the original NASA technology. Individuals and teams will submit 3 minute videos for this challenge.

You will review the submitted videos and select the team you'd like to mentor for the **InWorld Challenge**. Once teams form, all work moves into a private virtual world in NIA Universe. You will work with your team to homestead this virtual space, practice InWorld building skills, and then refine and improve the work depicted in their video. You will mentor students as they build virtual 3D models of the original NASA technology, spinoff technology and the team's original spinoff innovation. You and your team will also have the chance to "meet" and "talk" with JWST engineers in "real time" within the NIA Universe.



Face-to-face meetings are not expected, nor possible. The students you lead may geographically be anywhere around the country.

The top five teams will present their work to NASA engineers and an evaluation team during a synchronous evaluation session.

As a mentor, your first task will be to select your team of middle or high school students from the submitted videos. Selections will begin **January 26, 2015**.

Contact Sharon Bowers, InWorld Challenge Program Manager, with questions:

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To register or learn more about both NASA Goddard OPTIMUS PRIME Spinoff Challenges visit:

<http://itpo.gsfc.nasa.gov/optimus/>